

MOSQUITOES AND ARBOVIRUSES – QUIZ



Team Pasteur 2016

VERSION WITH ANSWERS

By the 2016 iGEM Pasteur Paris team

Please select the correct answers in the quiz below. Several choices can be correct. Good luck!

1. HOW MANY SPECIES OF MOSQUITOES DO YOU THINK THERE ARE?

- a. 1: the mosquito
- b. 2
- c. A dozen
- d. Several thousands

2. WHEN ARE THERE THE MOST MOSQUITOES?

- a. In the morning
- b. In the evening
- c. On the week-end
- d. In the summer

3. CAN MOSQUITOES BE THE VECTOR OF DISEASES?

- a. Yes
- b. No
- c. Yes, but they can only pass on diseases to other animals, not humans

4. WHICH OF THESE DISEASES CAN BE TRANSMITTED BY MOSQUITOES?

- a. Malaria
- b. Zika

c. Chikungunya

d. None

5. HOW CAN WE KNOW IF MOSQUITOES ARE CARRYING A DISEASE?

a. Listen to the news

b. Look up the internet

c. Check official sources of information (such as the municipal office in charge for vaccination)

c. Study it under a microscope

6. WHAT IS A VIRUS?

a. A microscopic organism

b. A parasite smaller than bacteria

c. A parasite bigger than bacteria

d. A sort of computer program

7. WHAT IS AN ARBOVIRUS?

a. A virus that attacks plants

b. A virus that attacks insects

c. A virus carried by insects

8. WHAT IS THE BEST WAY TO ELIMINATE THE THREAT RELATED TO ARBOVIRUSES?

a. Having a better understanding of the mosquitoes that are responsible for their transmission

b. Vaccinate people (a lot of arboviruses do not have vaccines)

c. Eradicate the mosquitoes (technically the best solution but not very environmental-friendly)

d. Spread insecticides

9. HOW COULD BIOLOGY FIGHT AGAINST ARBOVIRUSES?

a. By creating a new mosquito that would replace the virus-carrying mosquito

b. By creating an inhibitor against arboviruses

c. By producing a detection tool for arboviruses.